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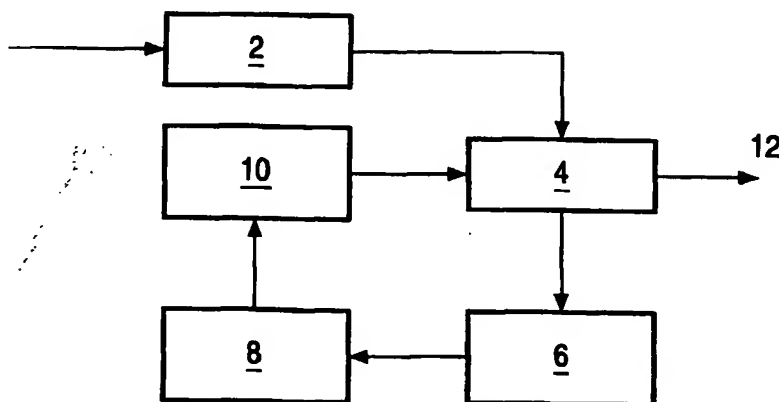
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[Continued on next page]

(54) Title: **IMAGE SEGMENTATION USING TEMPLATE PREDICTION**



(57) Abstract: The invention relates to image segmentation using templates and spatial prediction. The templates of neighboring pixels are used for predicting the features of a current pixel. The pixel is assigned to the segments of neighboring pixels according to the deviation of its features from the templates.

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Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WITTEBROOD R B ET AL: "REAL-TIME RECURSIVE MOTION SEGMENTATION OF VIDEO DATA ON A PROGRAMMABLE DEVICE" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 47, no. 3, 31 August 2001 (2001-08-31), pages 559-567, XP002263797 ISSN: 0098-3063 section 3</p> <p style="text-align: center;">----- -/--</p>	1-12



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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HUI ZHANG ET AL: "A new motion estimation algorithm" COMMUNICATIONS, COMPUTERS AND SIGNAL PROCESSING, 1991., IEEE PACIFIC RIM CONFERENCE ON VICTORIA, BC, CANADA 9-10 MAY 1991, NEW YORK, NY, USA, IEEE, US, 9 May 1991 (1991-05-09), pages 619-622, XP010039537 ISBN: 0-87942-638-1 section III</p>	1-12
X	<p>JAIN A K: "Section 9.13 Image Segmentation" FUNDAMENTALS OF DIGITAL IMAGE PROCESSING, PRENTICE-HALL INTERNATIONAL, INC, US, 1989, pages 407-414, XP002287360 paragraph "Pixel labeling" on page 409 paragraph "Region-Based Approaches..." on page 412</p>	1-12
A	<p>SHIMA Y ET AL: "A high-speed algorithm for propagation-type labeling based on block sorting of runs in binary images" PROCEEDINGS. 10TH INTERNATIONAL CONFERENCE ON PATTERN RECOGNITION (CAT. NO.90CH2898-5) IEEE COMPUT. SOC. PRESS LOS ALAMITOS, CA, USA, vol. 1, 16 June 1990 (1990-06-16), pages 655-658, XP000166363 ISBN: 0-8186-2062-5 the whole document</p>	1-12
A	<p>BEVERIDGE J R ET AL: "Segmenting images using localized histograms and region merging" INTERNATIONAL JOURNAL OF COMPUTER VISION NETHERLANDS, vol. 2, no. 3, January 1989 (1989-01), pages 311-347, XP008038606 ISSN: 0920-5691 the whole document</p>	1-12